

04jan07 14:14:04 User259284 Session D3922.2

SYSTEM:OS - DIALOG OneSearch

File 23:CSA Technology Research Database 1963-2006/Dec

(c) CSA.

File 2:INSPEC 1898-2006/Dec W2

(c) Institution of Electrical Engineers

File 94:JICST-EPlus 1985-2006/Sep W2

(c) Japan Science and Tech Corp(JST)

Set	Items	Description
S1	12564	MIX?????(6N) (SI OR SILICON)
S2	3829	MIX?????(6N) (POLY OR POLYCRYST? OR POLYSI?)
S3	23230	MIX?????(6N) (MESOCRYST? OR NANOCRYST? OR MICROCRYST? OR SU- BMICROCRYST? OR CRYST????????? OR MONOCRYST?)
S4	4536	MIX?????(6N) (AMORPH????????????? OR NONCRYST?????????)
S5	16202	S1:S2
S6	16202	S1:S2
S7	38499	S1:S3
S8	1807	4AND7
S9	864	S8 AND (CI=SI EL OR SILICON OR SI OR POLYSI?????????)
S10	8	S9 AND PASSIVAT?
S11	70	S9 AND OXYGEN?????????
S12	33	S9 AND OXIDAT?
S13	1	S9 AND OXIDIS?
S14	17	S9 AND OXIDIZ?
S15	0	S9 AND OXYNITRIDID?
S16	0	S9 AND OXYNITRIDED?
S17	48	S9 AND NITROGEN?????????????
S18	220	S9 AND (O OR N OR N2 OR O2 OR O3)
S19	2	S9 AND NITRIDID?
S20	4	S9 AND NITRIDED?
S21	0	S9 AND NITRIDAT?
S22	303	S10:S21
S23	4	S22 AND CATAL?????????????
S24	75	S22 AND GAS?????????
S25	2	S22 AND DANGL?????????
S26	0	S22 AND TERMINA?????????????
S27	0	S22 AND SURFACE?? (3N) BOND?????????
S28	10	S24 AND (SI OR SILICON) (N) (N OR NITROGEN)
S29	2	S24 AND (SI OR SILICON) (N) (O OR OXYGEN?????????)
S30	0	S24 AND (SI OR SILICON) (1N) (OXIDIS?)
S31	1	S24 AND (SI OR SILICON) (1N) (OXIDIZ?)
S32	0	S24 AND (SI OR SILICON) (1N) (OXIDAT?)
S33	0	S24 AND (SI OR SILICON) (1N) (OXYGENAT?)
S34	0	S24 AND (SI OR SILICON) (1N) (NITROGENAT?)
S35	0	S24 AND (SI OR SILICON) (1N) (NITRIDAT?)
S36	0	S24 AND (SI OR SILICON) (1N) (NITRIDID?)
S37	0	S24 AND (SI OR SILICON) (1N) (NITRIDED?)
S38	12	11AND12
S39	6	11AND14
S40	1	12AND14
S41	7	11AND17
S42	35	11AND18
S43	5	12AND42
S44	3	14AND42
S45	75	S10 OR S13 OR S19:S20 OR S23 OR S25:S44
S46	61	RD S45 (unique items)
S47	51	S46 NOT S46/2003-2007
S48	23	S47 AND (FINE OR ULTRAFINE OR SUPERFINE OR THIN OR ULTRATH- IN OR SUPERTHIN)
S49	14637	MIX????????(2N) (MESOCRYST????????? OR NANOCRYST????????? OR MONOCRYST????????? OR CRYST?????????)

S50 3574 MIX??????(2N) (RUGGED OR HGS OR HSG OR GRAIN????? OR POLYS-
 I? OR POLY OR POLYCRYST?)
 S51 17977 S1:S2 OR S50
 S52 4687 AMORPH???????/TI,AB (7N)MIX??????/TI,AB
 S53 39 NONCRYST?/TI,AB (7N)MIX??????/TI,AB
 S54 717 51AND52
 S55 2 51AND53
 S56 719 S54:S55
 S57 559 S56 AND (S9:S45 OR DANGL???????)
 S58 66 S56 AND (SI OR SILICON) (2N) (SURFACE?? OR TERMINA?????? OR -
 BOND?????)
 S59 561 S57:S58
 S60 7 S59 AND ULTRATHIN
 S61 0 S59 AND SUPERTHIN
 S62 0 S59 AND SUPER()THIN
 S63 1 S59 AND ULTRA()THIN
 S64 1 S59 AND ULTRA()FINE
 S65 0 S59 AND SUPER()FINE
 S66 1 S59 AND SUPERFINE
 S67 10 S59 AND ULTRAFINE
 S68 24 S59 AND FINE
 S69 41 S60:S68
 S70 34 RD S69 (unique items)
 S71 30 S70 NOT S48
 S72 25 S71 NOT S71/2003-2007
 S73 118 S59 AND AMORPH??????? (4N) CRYST???????/TI,AB
 S74 30 S59 AND AMORPH??????? (4N) NANOCRYST???????/TI,AB
 S75 56 S59 AND AMORPH??????? (4N) MICROCRYST???????/TI,AB
 S76 1 S59 AND AMORPH??????? (4N) MONOCRYST???????/TI,AB
 S77 28 S59 AND AMORPH??????? (4N) POLYCRYST???????/TI,AB
 S78 166 S73:S77 AND AMORPH??????? (5N) (SI OR SILICON)/TI,AB
 S79 158 S78 NOT (S72 OR S48)
 S80 126 RD S78 (unique items)
 S81 119 S80 NOT (S72 OR S48)
 S82 25 S81 AND NANOCRYST???????
 S83 2 S81 AND NANO() CRYST???????
 S84 0 S81 AND NANO() SCAL????
 S85 0 S81 AND NANO() GRAIN?????
 S86 0 S81 AND NANOGRAIN?????
 S87 0 S81 AND NANOSCAL?????
 S88 26 S82:S83
 S89 19154 MIX????? (2N) PHAS?????
 S90 4 69AND89
 S91 4 RD S90 (unique items)
 S92 0 S91 NOT (S88 OR S72 OR S48)

FILE 'HCAPLUS' ENTERED AT 11:46:15 ON 04 JAN 2007

E US20060276055/PN

L1 1 SEA ABB=ON PLU=ON US2006276055/PN
 L2 SEL PLU=ON L1 1- RN : 3 TERMS
 L3 1063644 SEA ABB=ON PLU=ON L2
 L4 1 SEA ABB=ON PLU=ON L1 AND L3

FILE 'STNGUIDE' ENTERED AT 11:46:34 ON 04 JAN 2007

FILE 'HCAPLUS' ENTERED AT 11:52:23 ON 04 JAN 2007

E E3+ALL/CT

L5 85631 SEA ABB=ON PLU=ON NANOCRYSTALS/CT OR "NANOCRYSTALLINE MATERIALS"/CT OR (NANO OR CRYST##### OR NM OR MESOCRYST##### OR MONOCRYST#####) (2A) (SI OR SILICON)

FILE 'REGISTRY' ENTERED AT 11:55:56 ON 04 JAN 2007

L6 1 SEA ABB=ON PLU=ON 7440-21-3/RN

FILE 'HCAPLUS' ENTERED AT 11:55:57 ON 04 JAN 2007

L7 457499 SEA ABB=ON PLU=ON L6
 L8 170506 SEA ABB=ON PLU=ON L5 OR POLYSI OR POLYSILICON OR (POLY OR POLYCRYST#####) (W) (SI OR SILICON) OR (L7 (L) (NANOCRYST##### OR CRYST##### OR AMORPH##### OR POLY OR POLYCRYST##### OR MESOCRYST##### OR NANO#####))

E OXIDATION

E OXIDATION/CT

E E3+ALL/CT

L9 12169 SEA ABB=ON PLU=ON L8 AND (OXIDATION/CT OR (NITRIFICATION/CT OR "OXIDATION, ELECTROCHEMICAL"/CT OR "OXIDATION, PHOTOCHEMICAL"/CT OR OZONIZATION/CT OR PEROXIDATION/CT OR "LIPID PEROXIDATION"/CT OR "WET OXIDATION"/CT) OR ("OXIDATION CATALYSTS"/CT OR "OXIDATION ENTHALPY"/CT OR "OXIDATION KINETICS"/CT OR "OXIDATION POTENTIAL"/CT OR OXIDIZABILITY/CT OR "OXIDIZING AGENTS"/CT) OR OXIDISING OR OXIDIZING OXIDISED OR OXIDIZED OR NITRIDED OR OXIDATION OR OXIDING OR NITRIDING OR NITROGENAT##### OR NITRIDATION)

L10 2321 SEA ABB=ON PLU=ON L8 AND DANGLING

L11 512 SEA ABB=ON PLU=ON L8 AND TERMINAT##### (3A) (SI OR SILICON)

L12 81 SEA ABB=ON PLU=ON L8 AND TERMINAT##### (3A) BONDS

L13 40 SEA ABB=ON PLU=ON L8 AND TERMINAT##### (3A) ATOMS

L14 889 SEA ABB=ON PLU=ON L8 AND SURFACE (4A) (BONDS OR TEMINAT##### OR ATOMS)

L15 15398 SEA ABB=ON PLU=ON (L9 OR L10 OR L11 OR L12 OR L13 OR L14)

FILE 'STNGUIDE' ENTERED AT 12:00:54 ON 04 JAN 2007

FILE 'HCAPLUS' ENTERED AT 12:03:31 ON 04 JAN 2007

L16 3848 SEA ABB=ON PLU=ON L8 AND (ULTRATHIN OR SUPERTHIN OR NANOLAYER ? OR NANO LAYER#### OR MONO LAYER#### OR MONOLAYER? OR (ATOMIC OR ATOM OR MOLECUL####) (3A) (DIAMETER OR RADIUS OR THICK##### OR THIN#####) OR ULTRA THIN OR SUPER THIN)

FILE 'STNGUIDE' ENTERED AT 12:03:32 ON 04 JAN 2007

FILE 'HCAPLUS' ENTERED AT 12:04:00 ON 04 JAN 2007

L17 18561 SEA ABB=ON PLU=ON (L15 OR L16)

FILE 'STNGUIDE' ENTERED AT 12:04:01 ON 04 JAN 2007

FILE 'HCAPLUS' ENTERED AT 12:06:43 ON 04 JAN 2007

L18 44262 SEA ABB=ON PLU=ON (NANO OR NANOSCAL##### OR NM) (3A) (THICK#### OR THIN##### OR SI OR SILICON)

FILE 'STNGUIDE' ENTERED AT 12:06:45 ON 04 JAN 2007

FILE 'HCAPLUS' ENTERED AT 12:07:59 ON 04 JAN 2007

L19 8486 SEA ABB=ON PLU=ON L8 AND L18

L20 25108 SEA ABB=ON PLU=ON L17 OR L19

L21 612 SEA ABB=ON PLU=ON L20 AND (O OR O3 OR OXYGEN##### OR OXID##### OR N2 OR N OR NITROGEN##### OR NITRID#####) (3A) GAS

L22 114 SEA ABB=ON PLU=ON L20 AND (O OR O3 OR OXYGEN##### OR OXID##### OR N2 OR N OR NITROGEN##### OR NITRID#####) (3A) CARRIER

L23 922 SEA ABB=ON PLU=ON L20 AND (O OR O3 OR OXYGEN##### OR

OXID##### OR N2 OR N OR NITROGEN##### OR NITRID#####) (3A)P
 LASMA
 L24 276 SEA ABB=ON PLU=ON L20 AND (O OR O3 OR OXYGEN##### OR
 OXID##### OR N2 OR N OR NITROGEN##### OR NITRID#####) (3A)S
 SOURCE
 L25 2 SEA ABB=ON PLU=ON L20 AND (O OR O3 OR OXYGEN##### OR
 OXID##### OR N2 OR N OR NITROGEN##### OR NITRID#####) (3A)I
 NLET#####
 L26 1 SEA ABB=ON PLU=ON L20 AND (O OR O3 OR OXYGEN##### OR
 OXID##### OR N2 OR N OR NITROGEN##### OR NITRID#####) (3A)I
 NCOMING####
 L27 4801 SEA ABB=ON PLU=ON L20 AND (O OR O3 OR OXYGEN##### OR
 OXID##### OR N2 OR N OR NITROGEN##### OR NITRID#####) (3A) (
 PROCESS##### OR REACT#####)
 L28 700 SEA ABB=ON PLU=ON L20 AND NITRIDING
 L29 9570 SEA ABB=ON PLU=ON L20 AND OXIDATION
 L30 11602 SEA ABB=ON PLU=ON (L21 OR L22 OR L23 OR L24 OR L25 OR L26 OR
 L27 OR L28 OR L29)
 S L20 AND 7727-37-9/REG#

FILE 'REGISTRY' ENTERED AT 12:11:06 ON 04 JAN 2007

L31 1 SEA ABB=ON PLU=ON 7727-37-9/RN

FILE 'HCAPLUS' ENTERED AT 12:11:06 ON 04 JAN 2007

L32 304173 SEA ABB=ON PLU=ON L31
 L33 1029 SEA ABB=ON PLU=ON L20 AND L32
 S L20 AND 7782-44-7/REG#

FILE 'REGISTRY' ENTERED AT 12:11:25 ON 04 JAN 2007

L34 1 SEA ABB=ON PLU=ON 7782-44-7/RN

FILE 'HCAPLUS' ENTERED AT 12:11:25 ON 04 JAN 2007

L35 395834 SEA ABB=ON PLU=ON L34
 L36 1487 SEA ABB=ON PLU=ON L20 AND L35
 L37 12045 SEA ABB=ON PLU=ON L30 OR L33 OR L36
 L38 915 SEA ABB=ON PLU=ON L37 AND L7(L)AMORPH#####
 L39 1 SEA ABB=ON PLU=ON L37 AND L7(L)NONCRYST#####
 L40 1 SEA ABB=ON PLU=ON L37 AND L7(L)NON CRYST#####
 L41 991 SEA ABB=ON PLU=ON L37 AND (AMORPH##### OR NONCRYST##### OR
 NON CRYST#####) (W) (SI OR SILICON)
 L42 1297 SEA ABB=ON PLU=ON (L38 OR L39 OR L40 OR L41)
 L43 2699 SEA ABB=ON PLU=ON L37 AND (SI OR SILICON) (2A) FILM
 L44 844 SEA ABB=ON PLU=ON L37 AND (SI OR SILICON) (2A) (THIN OR
 ULTRATHIN OR SUPERTHIN)
 L45 1087 SEA ABB=ON PLU=ON L37 AND "STEPS"
 L46 17 SEA ABB=ON PLU=ON L37 AND "SECOND STEP"
 L47 3 SEA ABB=ON PLU=ON L37 AND "SECOND PROCESS"
 L48 0 SEA ABB=ON PLU=ON L37 AND "2ND PROCESS"
 L49 16 SEA ABB=ON PLU=ON L37 AND "2ND STEP"
 L50 688 SEA ABB=ON PLU=ON L37 AND SEQUEN#####
 L51 301 SEA ABB=ON PLU=ON L37 AND PROCESS##### (3A) ("STEP" OR
 "STEPS")
 L52 71 SEA ABB=ON PLU=ON L37 AND FABRICAT##### (3A) ("STEP" OR
 "STEPS")
 L53 609 SEA ABB=ON PLU=ON L37 AND FORM##### (3A) ("STEP" OR "STEPS")
 L54 21 SEA ABB=ON PLU=ON L37 AND REACT##### (3A) ("STEP" OR
 "STEPS")
 L55 116 SEA ABB=ON PLU=ON L37 AND (DEPOSIT##### OR CVD OR DEP OR
 DEPD OR DEPN) (3A) ("STEP" OR "STEPS")
 L56 1859 SEA ABB=ON PLU=ON L45 OR (L46 OR L47 OR L48 OR L49 OR L50 OR
 L51 OR L52 OR L53 OR L54 OR L55)
 L57 2955 SEA ABB=ON PLU=ON (L43 OR L44)
 L58 1297 SEA ABB=ON PLU=ON (L38 OR L39 OR L40 OR L41)
 L59 53138 SEA ABB=ON PLU=ON MIX##### (4A) ?CRYST?
 L60 6190 SEA ABB=ON PLU=ON MIX##### (4A) ?AMORPH?
 L61 61668 SEA ABB=ON PLU=ON ?CRYST? (4A) ?AMORPH?
 L62 14 SEA ABB=ON PLU=ON (L56 OR L57 OR L58) AND L59
 L63 17 SEA ABB=ON PLU=ON (L56 OR L57 OR L58) AND L60

L64 426 SEA ABB=ON PLU=ON (L56 OR L57 OR L58) AND L61
 L65 283 SEA ABB=ON PLU=ON (L56 OR L57 OR L58) AND (AMORPH#####
 OR NONCRYST#####) (5A) (NANOCRYST? OR POLYCRYST? OR POLY OR
 POLYSI? OR MESOCRYST? OR MONOCRYST?)
 L66 1322 SEA ABB=ON PLU=ON (L56 OR L57 OR L58) AND (AMORPH#####
 OR NONCRYST#####) (5A) (SI OR SILICON)
 L67 2499 SEA ABB=ON PLU=ON (L56 OR L57 OR L58) AND (SI OR SILICON) (5A)
 (NANOCRYST? OR POLYCRYST? OR POLY OR POLYSI? OR MESOCRYST? OR
 MONOCRYST?)
 L68 194 SEA ABB=ON PLU=ON L64 AND L65
 L69 381 SEA ABB=ON PLU=ON L64 AND L66
 L70 234 SEA ABB=ON PLU=ON L64 AND L67
 L71 6 SEA ABB=ON PLU=ON (L68 OR L69 OR L70) AND MIX##### (3A) (SI
 OR SILICON)
 L72 220 SEA ABB=ON PLU=ON L37 AND DANGL#####
 L73 106 SEA ABB=ON PLU=ON L37 AND SURFACE (5A) (TERMINA##### OR
 NONTERMINA##### OR UNTERMINA##### OR END)
 L74 167 SEA ABB=ON PLU=ON L37 AND (SI OR SILICON) (5A) (TERMINA#####
 OR NONTERMINA##### OR UNTERMINA##### OR END)
 L75 39 SEA ABB=ON PLU=ON L37 AND ULTRAFINE
 L76 7 SEA ABB=ON PLU=ON L37 AND ULTRA FINE
 L77 0 SEA ABB=ON PLU=ON L37 AND SUPER FINE
 L78 3 SEA ABB=ON PLU=ON L37 AND SUPERFINE
 L79 5206 SEA ABB=ON PLU=ON (L38 OR L39 OR L40 OR L41) OR L44 OR L45
 OR L47 OR (L46 OR L47 OR L48 OR L49 OR L50 OR L51 OR L52 OR
 L53 OR L54 OR L55 OR L56 OR L57 OR L58) OR (L62 OR L63 OR L64
 OR L65 OR L66 OR L67 OR L68 OR L69 OR L70 OR L71 OR L72 OR L73
 OR L74 OR L75 OR L76 OR L77 OR L78)
 L80 191 SEA ABB=ON PLU=ON L79 AND NANOCRYSTALS
 L81 285 SEA ABB=ON PLU=ON L79 AND NITRIDING
 L82 4029 SEA ABB=ON PLU=ON L79 AND OXIDATION
 L83 11 SEA ABB=ON PLU=ON L80 AND L81
 L84 143 SEA ABB=ON PLU=ON L80 AND L82
 L85 86 SEA ABB=ON PLU=ON L81 AND L82
 L86 72 SEA ABB=ON PLU=ON (L84 OR L85) AND (SEQUEN##### OR
 "STEP" OR "STEPS")
 L87 11 SEA ABB=ON PLU=ON L86 AND GAS
 L88 22 SEA ABB=ON PLU=ON L83 OR L87
 L89 21 SEA ABB=ON PLU=ON L88 NOT L1

FILE 'STNGUIDE' ENTERED AT 12:27:45 ON 04 JAN 2007

FILE 'HCAPLUS' ENTERED AT 12:29:43 ON 04 JAN 2007

L90 835 SEA ABB=ON PLU=ON (N OR O OR O2 OR O3 OR N2 OR NITROGEN#####
 OR NITRID##### OR OXYGEN##### OR OXID#####) (5A) DANGLING

FILE 'HCAPLUS' ENTERED AT 12:29:52 ON 04 JAN 2007

L91 6464 SEA ABB=ON PLU=ON (N OR O OR O2 OR O3 OR N2 OR NITROGEN#####
 OR NITRID##### OR OXYGEN##### OR OXID#####) (5A) TERMINATED

FILE 'HCAPLUS' ENTERED AT 12:29:57 ON 04 JAN 2007

L92 548 SEA ABB=ON PLU=ON (N OR O OR O2 OR O3 OR N2 OR NITROGEN#####
 OR NITRID##### OR OXYGEN##### OR OXID#####) (5A) TERMINATING

FILE 'HCAPLUS' ENTERED AT 12:30:08 ON 04 JAN 2007

L93 49982 SEA ABB=ON PLU=ON (N OR O OR O2 OR O3 OR N2 OR NITROGEN#####
 OR NITRID##### OR OXYGEN##### OR OXID#####) (5A) BONDS
 L94 57248 SEA ABB=ON PLU=ON (L90 OR L91 OR L92 OR L93)
 L95 4194 SEA ABB=ON PLU=ON (L35 OR L36 OR L37 OR L38 OR L39 OR L40 OR
 L41 OR L42 OR L43 OR L44 OR L45 OR L46 OR L47 OR L48 OR L49 OR
 L50 OR L51 OR L52 OR L53 OR L54 OR L55 OR L56 OR L57 OR L58 OR
 L59 OR L60 OR L61 OR L62 OR L63 OR L64 OR L65 OR L66 OR L67 OR
 L68 OR L69 OR L70 OR L71 OR L72 OR L73 OR L74 OR L75 OR L76 OR
 L77 OR L78 OR L79 OR L80) AND L94
 L96 112 SEA ABB=ON PLU=ON (L81 OR L82 OR L83 OR L84 OR L85 OR L86 OR
 L87 OR L88 OR L89) AND L94
 L97 7406 SEA ABB=ON PLU=ON (L3 OR L5 OR L7 OR L8 OR L17 OR L18 OR L19
 OR L20 OR L30 OR L32) AND L94
 L98 7743 SEA ABB=ON PLU=ON (L95 OR L96 OR L97)

L99 328 SEA ABB=ON PLU=ON L98 AND AMORPH##### (5A) (SI OR SILICON
 OR SEMICONDUCT#####)
 L100 5 SEA ABB=ON PLU=ON L98 AND NONCRYST##### (5A) (SI OR
 SILICON OR SEMICONDUCT#####)
 L101 2 SEA ABB=ON PLU=ON L98 AND NON CRYST##### (5A) (SI OR
 SILICON OR SEMICONDUCT#####)
 L102 34 SEA ABB=ON PLU=ON L98 AND MIXED (5A) (SI OR SILICON OR
 SEMICONDUCT#####)
 L103 186 SEA ABB=ON PLU=ON L98 AND L7 (L) (AMORPH##### OR NONCRYST##
 ##### OR NON CRYST#####)
 L104 6 SEA ABB=ON PLU=ON L98 AND L7 (L) (MIXED)
 L105 372 SEA ABB=ON PLU=ON (L99 OR L100 OR L101 OR L102 OR L103 OR
 L104)
 L106 33 SEA ABB=ON PLU=ON L105 AND NANO##### (2A) (SI OR SILICON)
 L107 2 SEA ABB=ON PLU=ON L105 AND NANOS##### (2A) (SI OR SILICON)
 L108 19 SEA ABB=ON PLU=ON L105 AND NANOC##### (2A) (SI OR SILICON)
 L109 0 SEA ABB=ON PLU=ON L105 AND MESOC##### (2A) (SI OR SILICON)
 L110 0 SEA ABB=ON PLU=ON L105 AND MESOCRYST? (2A) (SI OR SILICON)
 L111 17 SEA ABB=ON PLU=ON L105 AND L7 (L) (NANO##### OR NANOC#####
 ## OR NANOS#####)
 L112 0 SEA ABB=ON PLU=ON L105 AND L7 (L) (FINE OR ULTRAFINE OR
 SUPERFINE)
 L113 32 SEA ABB=ON PLU=ON L105 AND L7 (L) (THIN OR ULTRATHIN OR
 SUPERTHIN)
 L114 61 SEA ABB=ON PLU=ON L105 AND (SI OR SILICON) (3A) (THIN OR
 ULTRATHIN OR SUPERTHIN)
 L115 2 SEA ABB=ON PLU=ON L105 AND (SI OR SILICON) (3A) (FINE OR
 ULTRAFINE OR SUPERFINE)
 L116 95 SEA ABB=ON PLU=ON (L106 OR L107 OR L108 OR L109 OR L110 OR
 L111 OR L112 OR L113 OR L114 OR L115)
 L117 17 SEA ABB=ON PLU=ON L116 AND GAS
 L118 27 SEA ABB=ON PLU=ON L116 AND DANGL#####
 L119 5 SEA ABB=ON PLU=ON L116 AND ?TERMINA? (3A) (SI OR SILICON OR
 SURFACE OR SEMICONDUCT##### OR ATOMS OR SURFACE)
 L120 43 SEA ABB=ON PLU=ON (L117 OR L118 OR L119)
 L121 42 SEA ABB=ON PLU=ON L120 NOT (L89 OR L1)
 D ALL HITSTR TOT

FILE 'STNGUIDE' ENTERED AT 12:40:28 ON 04 JAN 2007

FILE 'HCAPLUS' ENTERED AT 12:42:38 ON 04 JAN 2007

L122 1164 SEA ABB=ON PLU=ON (SI OR SILICON) (W) DANGL##### (W) BOND
 L123 54 SEA ABB=ON PLU=ON DANGL##### (W) (SI OR SILICON) (W) BOND
 L124 234 SEA ABB=ON PLU=ON (L93 OR L94 OR L95 OR L96 OR L97 OR L98 OR
 L99 OR L100 OR L101 OR L102 OR L103 OR L104 OR L105 OR L106 OR
 L107 OR L108 OR L109 OR L110 OR L111 OR L112 OR L113 OR L114
 OR L115 OR L116) AND (L122 OR L123)
 L125 45 SEA ABB=ON PLU=ON (L122 OR L123) AND NANOCRYST?
 L126 103 SEA ABB=ON PLU=ON (L122 OR L123) AND OXIDATION
 L127 1 SEA ABB=ON PLU=ON (L122 OR L123) AND OXYGENAT#####
 L128 0 SEA ABB=ON PLU=ON (L122 OR L123) AND OXIDIS?

FILE 'STNGUIDE' ENTERED AT 12:44:19 ON 04 JAN 2007

FILE 'STNGUIDE' ENTERED AT 12:47:24 ON 04 JAN 2007

L129 1 S WORLDCAT
 D ALL

FILE 'HCAPLUS' ENTERED AT 12:51:27 ON 04 JAN 2007

L129 48 SEA ABB=ON PLU=ON (L122 OR L123) AND OXIDIZ?
 L130 0 SEA ABB=ON PLU=ON (L122 OR L123) AND NITROGENAT?
 L131 19 SEA ABB=ON PLU=ON (L122 OR L123) AND NITRIDAT?
 L132 10 SEA ABB=ON PLU=ON (L122 OR L123) AND NITRIDID?
 L133 9 SEA ABB=ON PLU=ON (L122 OR L123) AND NITRIDED?
 L134 2 SEA ABB=ON PLU=ON (N OR O OR OXYGEN OR NITROGEN) (W) TERMINA###
 ##### AND (L122 OR L123)
 L135 345 SEA ABB=ON PLU=ON (L124 OR L125 OR L126 OR L127 OR L128 OR
 L129 OR L130 OR L131 OR L132 OR L133 OR L134)
 L136 48 SEA ABB=ON PLU=ON L135 AND GAS

```

L137      0 S L135 AND GASEOUS###
L137      45 SEA ABB=ON  PLU=ON  L135 AND NANOCRYST?
L138      2 SEA ABB=ON  PLU=ON  L135 AND NANO CRYST#####
L139      0 SEA ABB=ON  PLU=ON  L135 AND (ULTRAFINE OR SUPERFINE OR ULTRA
        FINE OR SUPER FINE)
L140      1 SEA ABB=ON  PLU=ON  L135 AND FINE
L141      0 SEA ABB=ON  PLU=ON  L135 AND MESO
L142      0 SEA ABB=ON  PLU=ON  L135 AND MESOCRYST?
L143      0 SEA ABB=ON  PLU=ON  L135 AND MESOSI?
L144      1 SEA ABB=ON  PLU=ON  L135 AND NANOSI?
L145      4 SEA ABB=ON  PLU=ON  (ULTRATHIN OR SUPERTHIN) AND L136
L146      0 SEA ABB=ON  PLU=ON  (ULTRATHIN OR SUPERTHIN) AND L137
L147      0 SEA ABB=ON  PLU=ON  (ULTRA THIN OR SUPER THIN) AND L137
L148      0 SEA ABB=ON  PLU=ON  THIN(W) (SI OR SILICON) AND L137
L149      45 SEA ABB=ON  PLU=ON  L135 AND NANOCRYST?
L150      0 SEA ABB=ON  PLU=ON  THIN(W) (SI OR SILICON) AND L136
L151      4 SEA ABB=ON  PLU=ON  THIN(2A) (SI OR SILICON) AND L136
L152      23 SEA ABB=ON  PLU=ON  FILM(2A) (SI OR SILICON) AND L136
L153      0 SEA ABB=ON  PLU=ON  NANOFILM AND L136
L154      0 SEA ABB=ON  PLU=ON  NANO FILM AND L136
L155      0 SEA ABB=ON  PLU=ON  NANO LAYER##### AND L136
L156      0 SEA ABB=ON  PLU=ON  NANOLAYER##### AND L136
L157      0 SEA ABB=ON  PLU=ON  NANOLAYER##### AND L137
L158      0 SEA ABB=ON  PLU=ON  NANO LAYER##### AND L137
L159      0 SEA ABB=ON  PLU=ON  NANO FILM AND L137
L160      0 SEA ABB=ON  PLU=ON  NANOFILM AND L137
L161      6 SEA ABB=ON  PLU=ON  L136 AND L137
L162      4 SEA ABB=ON  PLU=ON  (L136 OR L137 OR L149 OR L152 OR (L131 OR
        L132 OR L133)) AND ("STEP" OR "STEPS" OR SEQUEN#####)
L163      64 SEA ABB=ON  PLU=ON  L121 OR L89 OR L1
L164      8 SEA ABB=ON  PLU=ON  L126 AND L125
L165      1 SEA ABB=ON  PLU=ON  L129 AND (L131 OR L132 OR L133)
L166      61 SEA ABB=ON  PLU=ON  L127 OR (L131 OR L132 OR L133) OR (L138 OR
        L139 OR L140 OR L141 OR L142 OR L143 OR L144 OR L145) OR (L151
        OR L152 OR L153 OR L154 OR L155 OR L156 OR L157 OR L158 OR
        L159 OR L160 OR L161 OR L162) OR (L164 OR L165)
L167      59 SEA ABB=ON  PLU=ON  L166 NOT L163
L168      23 SEA ABB=ON  PLU=ON  L167 AND ?CRYST?
L169      59 SEA ABB=ON  PLU=ON  L167 AND DANGL#####
        D L168 ALL HITSTR TOT

```

FILE 'STNGUIDE' ENTERED AT 13:02:56 ON 04 JAN 2007

FILE 'HCAPLUS' ENTERED AT 13:03:34 ON 04 JAN 2007

```

L170      36 SEA ABB=ON  PLU=ON  L169 NOT L168
L171      10 SEA ABB=ON  PLU=ON  L170 AND PASSIVAT?
L172      0 SEA ABB=ON  PLU=ON  L170 AND LED
L173      0 SEA ABB=ON  PLU=ON  L170 AND OLED
L174      0 SEA ABB=ON  PLU=ON  L170 AND EL
L175      1 SEA ABB=ON  PLU=ON  L170 AND ELECTROLUM?
L176      1 SEA ABB=ON  PLU=ON  L170 AND LIGHT(2A)EMIT#####
L177      0 SEA ABB=ON  PLU=ON  L170 AND LIGHT(2A)EMISS#####
L178      0 SEA ABB=ON  PLU=ON  L170 AND LIGHT SOURCE
L179      1 SEA ABB=ON  PLU=ON  L170 AND LAMP
L180      0 SEA ABB=ON  PLU=ON  L170 AND LIGHTING
L181      0 SEA ABB=ON  PLU=ON  L170 AND ?LUMINOS?
L182      0 SEA ABB=ON  PLU=ON  L170 AND ?LUMINOUS?
L183      2 SEA ABB=ON  PLU=ON  L170 AND ILLUMINA#####
L184      3 SEA ABB=ON  PLU=ON  L170 AND ?LUMINE?
L185      0 SEA ABB=ON  PLU=ON  L170 AND ?LUMEN?
L186      6 SEA ABB=ON  PLU=ON  L170 AND ?LUMIN?
L187      15 SEA ABB=ON  PLU=ON  (L171 OR L172 OR L173 OR L174 OR L175 OR
        L176 OR L177 OR L178 OR L179 OR L180 OR L181 OR L182 OR L183
        OR L184 OR L185 OR L186)
        D ALL HITSTR TOT
L188      84 SEA ABB=ON  PLU=ON  PASSIVAT#####(4A) (SI OR SILICON) (W) (BOND
        OR DANGL#####)
L189      4 SEA ABB=ON  PLU=ON  PASSIVAT#####(4A) (SI OR SILICON) (W) ATOM
L190      144 SEA ABB=ON  PLU=ON  PASSIVAT#####(4A) DANGL#####(4A) (SI OR

```

SILICON)

L191 16 SEA ABB=ON PLU=ON (L188 OR L189 OR L190) AND NANOCRYST?

FILE 'STNGUIDE' ENTERED AT 13:07:49 ON 04 JAN 2007

FILE 'HCAPLUS' ENTERED AT 13:14:10 ON 04 JAN 2007

L192 11 SEA ABB=ON PLU=ON L191 NOT (L187 OR L168 OR L163)
D ALL HITSTR TOT

FILE 'STNGUIDE' ENTERED AT 13:14:22 ON 04 JAN 2007

FILE 'HCAPLUS' ENTERED AT 13:16:23 ON 04 JAN 2007

L193 4 SEA ABB=ON PLU=ON SPECTRA/TI AND PHOTOLUMINESCENCE/TI AND
SILICON NANOCRYSTALS/TI

L194 2598 SEA ABB=ON PLU=ON (SI OR SILICON) (W) NANOCRYST?

L195 21 SEA ABB=ON PLU=ON ?CATAL? (7A) DANGL#####

L196 0 SEA ABB=ON PLU=ON L194 AND L195

L197 1 SEA ABB=ON PLU=ON ?CATAL? AND DANGL##### AND L194

L198 77 SEA ABB=ON PLU=ON L194 AND DANGL#####

L199 2 SEA ABB=ON PLU=ON L198 AND PROMOT#####

L200 3 SEA ABB=ON PLU=ON L198 AND KINETICS

L201 6 SEA ABB=ON PLU=ON (L199 OR L200) OR L197

L202 SEL PLU=ON L201 1- RE : 115 TERMS

L203 7086 SEA ABB=ON PLU=ON L202

L204 7086 SEA ABB=ON PLU=ON L202

L205 239 SEA ABB=ON PLU=ON L204 AND DANGL#####

L206 7086 SEA ABB=ON PLU=ON L202

L207 6 SEA ABB=ON PLU=ON L206 AND ?CATAL? AND L205